

# INSTRUCTIONS FOR INSTALLING WALL-MOUNT SPEED CONTROL



## Safety Warning! Please Read Carefully

Unit should be installed by a qualified electrician in accordance with the National Electrical Code and other local codes which may apply. This control must be grounded when installed. Failure to follow these instructions may result in electrical shock or fire hazard. To reduce the risk of fire or electric shock, this control is to be used only with fans marked as suitable for used with solid state speed controls. This control must not be used at ratings exceeding those clearly marked on the device.

We are not responsible for any expense, inconvenience or subsequent damage caused by items of our manufacture or sale.

### Application

- Motor Type - Shaded Pole, P.S.C., and Universal.
- Required Load – Fans, Blowers and Independent Speed Loads

### Wiring

**Warning! Power must be turned off before wiring. Connect control in series with motor and line voltage.**

- Never connect the Speed Controller across line Voltage.
- Grounding (Earth) - Be sure to ground control using the green wire.

### Mounting

- Use 4" deep standard electrical box.
- Secure control with outer bracket tabs.

### Minimum Speed Adjustment

**Warning!** Speed control was designed to operate on various motors used in diverse applications. A minimum speed adjustment is provided to allow independent control of the minimum speed setting. Minimum speed adjustment ensures that the motor runs with sufficient torque to prevent stalling. **DO NOT ALLOW MOTOR TO STALL WITH THE LOWEST SPEED CONTROL SETTING.**

**NOTE:** Motor must be in actual operating condition to achieve proper speed adjustment when full load is applied.



### Minimum Speed Setting Procedure:

1. Turn main control knob to lowest speed position.
2. Remove knob and faceplate, then locate minimum adjust speed pot thru the hole in the heat sink as shown above. Use a small screw driver (rotate clockwise to decrease desired minimum speed control voltage).

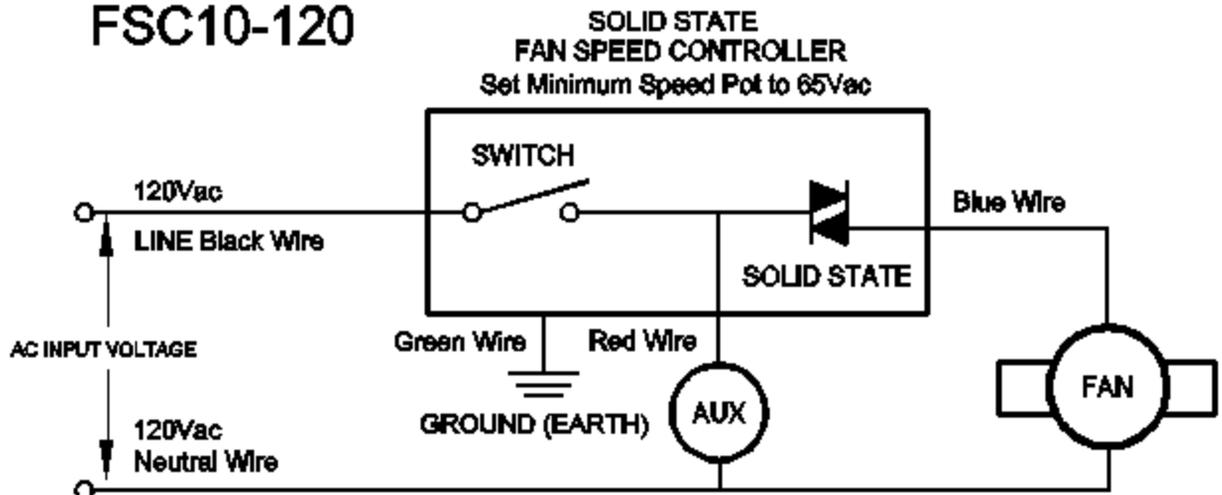
### Final Mounting

Mount the speed controller into the electrical enclosure with the arrow facing up on the heat sink. Install the front faceplate using the supplied screws. Rotate the Potentiometer shaft fully counter clockwise until it snaps in the "off" position. Align the dial line on the potentiometer knob with the silkscreen on the faceplate so that the pointer is in "off" position.

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## Connection Diagram

### FSC10-120



### FSC15-120

